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(54) RESIN COMPOSITION CAPABLE OF BEING MARKED BY IRRADIATION WITH LASER BEAM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a resin composition which can be furnished with a black mark when irradiated with laser beams by including a molybdenum compound and a basic inorganic filler.

SOLUTION: The molybdenum compound used may be of any type of compound of molybdenum and is exemplified by an oxide, a hydroxide, a carbide, a fluoride, a silicide, a carbonyl compound or a molybdate. It is used in the form of fine particles having a mean particle diameter of 10 µm or below and is used in an amount of 10-40 wt.% based on the resin composition. The basic inorganic filler is an inorganic compound having a pH of 8 or above and is desirably a basic compound containing an alkaline earth metal, more particularly calcium silicate. Its mean particle diameter is desirably 30 µm or below. The amount of its use is 0.1-5 pts.wt. per 1 pt.wt. molybdenum compound. The matrix resin used is a thermoplastic resin or a thermosetting resin.